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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/813,233	03/31/2004	Shunpei Yamazaki	740756-2719	3870	
22204	7590 06/29/2005	EXAMINER		INER	
NIXON PEABODY, LLP			DANG, TRUNG Q		
401 9TH STREET, NW SUITE 900			ART UNIT	PAPER NUMBER	
WASHINGT	WASHINGTON, DC 20004-2128				
			DATE MAILED: 06/29/2009	DATE MAILED: 06/29/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/813,233	YAMAZAKI ET AL.			
		Examiner	Art Unit			
		Trung Dang	2823			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)🖾	Responsive to communication(s) filed on <u>13 April 2005</u> .					
2a)⊠)⊠ This action is FINAL . 2b)□ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
5)□ 6)⊠ 7)□	4) Claim(s) 1 and 3-18 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1 and 3-18 is/are rejected. 7) Claim(s) is/are objected to.					
Applicati	ion Papers	•				
9)[The specification is objected to by the Examine	r.				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachmen	t(s)		,			
	ee of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summa Paper No(s)/Mail				
3) 🛛 Infori	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date 4/12/05.		Patent Application (PTO-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1, 3-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Yamazaki et al. (US 6,246,070 of record)

The applied reference has a common inventor with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in

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related text);

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the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

With reference to Figs. 1A-2E, the prior art teaches the claimed invention in that it discloses a method for manufacturing a semiconductor device comprising the steps of:

forming a gate electrode 102 over a substrate;
forming a gate insulating films 103 over the gate electrode;
forming a semiconductor film 104 over the gate insulating film;
forming an insulating film 105 over the semiconductor film 104 (Fig. 1B and

crystallizing said semiconductor film by irradiating it with infrared light or ultraviolet light through said insulating film 105 to form a crystalline semiconductor film (bottom of col. 8); and

covering a region to become a channel formation region of said crystalline semiconductor film with a first mask 109a and doping a region to become a source region or drain region of said crystalline semiconductor film with a trivalent or pentavalent impurity element through said insulating film 105; covering a portion of the first mask 109a and either a portion of the source region or a portion of the drain region with a second mask 112; and forming an interlayer insulating film 117 over the first mask and the second mask.

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Note that the claimed limitation "covering a portion of the first mask and either a portion of the source region or a portion of the drain region with a second mask" does not exclude the second mask covering an entire surface the first mask and both of a portion of a source region and a portion of a drain region. All that is specified by the limitation is the second mask cover a portion of the first mask (the entire surface of the first mask includes a portion thereof) and a portion of either source region or drain region, which does not necessarily excluding covering both. Therefore, as shown in Fig. 2A, the second mask does cover a portion of source (or drain) region.

For claims 3 and 11, see col.5, lines 31-34 and claim 23 of the reference. Note that a hydrogen compound is a hydride.

For claims 4 and 12, see col. 5, lines 35-37 and claim 24 of the reference.

For claims 5 and 13, see col. 5, lines 38-41 and claim 25 of the reference.

For claims 7-9, see cols. 7-8 for embodiments which disclose the limitations of claims 7-9.

For claim 10, see Embodiment 2 in col. 13, lines 21-23 in which a catalytic element for promoting crystallization of silicon is used.

Response to Arguments

3. Applicant's arguments with respect to claims 1, 6, and 16 have been considered but are most in view of the new ground(s) of rejection.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trung Dang whose telephone number is 571-272-1857. The examiner can normally be reached on Mon-Friday 9:30am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 571-272-1855. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Trung Dang
Primary Examiner
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